KARTHIK PUTTOJU

CLOUD ENGINEER | CLOUD SECURITY ENGINEER

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in https://www.linkedin.com/in/karthikputtoju9 | CloudGuardians Alliance Group | 📍 Hyderabad, TG, India

SUMMARY

Experienced Cloud Engineer & Cloud Security Engineer with 10+ years in Software Quality Assurance and 4+ years in Cloud Security. Skilled in AWS, Azure, GCP, Kubernetes, Terraform, and security tools to secure and optimize cloud infrastructure. Certified in AWS, Azure, CKA, CKAD, CCSP, and ISTQB with expertise in cloud security, automation, and compliance.

TECHNICAL SKILLS

- AWS, Azure, GCP, & OCP
- Docker, Kubernetes, Helm
- Linux, Windows, Mac
- Git, Guthub, Bitbucket
- Terraform, Ansible, Jenkins
- Bash, Powershell, Python
- Prometheus, Grafana
- CSPM, KSPM, CIEM, SIEM, DSPM
- Chatgpt, Generative-AI
- Authentication & Authorization
- IAM Roles & Policies, RBAC, LDAP, OAuth, SAML, & Okta
- Compliance & CIS Benchmarks
- Vulnerability Scanning, CVE Analysis
- SQL, PostgreSQL, DML Queries
- Networking OSI Layers, Protocols
- Testing Manual, API, Security, Postman, Selenium, TestNG
- VS Code, Confluence, Jira, Product & Agile practices, Documentation

SOFT SKILLS

- Leadership & Management
- Communication
- Adaptability & Learning Agility
- Collaboration & Interpersonal
- Time Management & Prioritization
- Decision making & Accountability

CERTIFICATIONS

- AWS Cloud Practitioner
- AWS Solutions Architect – Associate
- Microsoft Azure Fundamentals
- CKA & CKAD
- Cyber Security Foundation
- ISTQB Certified Tester

LANGUAGES

- English • Telugu • Hindi

ACHIEVEMENTS

- Received **Spot Award, Operational Excellence Mission Award**, and **Culture Annual Excellence Award** for contributions to team success, process improvements, and security enhancements.
- Designed the **Genesys Hyderabad Logo**, strengthening brand identity and showcasing creativity

WORK EXPERIENCE

Aqua Security
Cloud Security QA Engineer & Expert SDET
02/2021 - 12/2024

- Spearheaded multi-cloud deployments across AWS, Azure, GCP, and OCP, ensuring seamless interoperability for cloud-native applications.
- Resolved customer escalations and critical issues, improving customer satisfaction by 92%.
- Led the adoption of Infrastructure-as-Code (IaC) using Terraform & YAML, reducing configuration time by 50% and improving environment consistency.
- Implemented DevSecOps practices, integrating security checks into CI/CD pipelines using Jenkins, GitHub, and BitBucket, enhancing software delivery efficiency by 35%.
- Developed and tested Cloud-Native Application Protection Platform (CNAPP) functionalities using Postman, covering CSPM, KSPM, CIEM, Serverless, and Agentless Scanning with tools like Trivy for vulnerability management.
- Conducted PostgreSQL database testing using DML commands to ensure data integrity and validation.
- Collaborated with developers and product teams to integrate certifications, X-Force, DevOps, and Cloud Security, accelerating product release cycles.
- Managed containerized workloads with Docker & Kubernetes, deploying applications with Helm across multiple cloud platforms.
- Integrated Harbor, JFrog, and Webhook Log Management for automated artifact scanning and security event tracking.
- Implemented monitoring solutions using Prometheus & Grafana, proactively diagnosing and resolving Kubernetes cluster and cloud infrastructure issues.
- Acted as Scrum Master, leading daily standups, sprint planning, and retrospectives to ensure timely product milestones.
- Optimized cloud resource allocation, reducing infrastructure costs by 15% through efficiency improvements.
- Provided mentorship and training on Kubernetes (CKA, CKAD), DevSecOps, Terraform, and Cloud Security, fostering a culture of continuous learning.
- Designed and implemented a five-week onboarding program, improving employee ramp-up time by 30% and cutting training costs by 20% through structured knowledge transfer.
- Researched and explored ChatGPT, LLM, and Gen AI integrations for cloud security automation and predictive threat analysis in cloud environments.

Interactive Intelligence(Acquired) & Genesys Telecom Labs
Platfrom Engineer & Software QA Engineer
05/2016 - 10/2020

- Optimized sprint planning for product features, improving sprint delivery predictability by 15% and ensuring efficient execution.
- Designed and maintained test plans, suites, and cases for legacy product features, achieving 95% test coverage across modules.
- Executed 500+ regression and functional test cases, identifying critical defects and enhancing release quality.
- Managed regression test environments, ensuring zero downtime during test execution and keeping the lab portal updated with the latest software versions.
- Performed SaaS cloud application testing (PureConnect) and AWS cloud deployments, gaining expertise in cloud-based test environments.

Infosun Technologies
Test Engineer
12/2013 - 05/2016

- Designed, developed, and executed 200+ test cases, ensuring 95% functional coverage for risk and compliance applications.
- Automated test cases using Selenium WebDriver with TestNG, reducing manual testing efforts by 30%.
- Performed functional, non-functional, and regression testing, maintaining a 95% bug detection rate across release cycles.
- Tracked and managed defects in JIRA, improving bug resolution time by 15% through proactive collaboration with development teams.
- Prepared release notes and user manuals, enhancing documentation and usability by 25% for end-users.

EDUCATION

Master of Technology (M.Tech)
2010 - 2012
Software Engineering – JNTU Hyderabad

Bachelor of Technology (B.Tech)
2006 - 2010
Information Technology – JNTU Hyderabad